

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP5292USNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ² (if known)	Number			
	Re37161			Michelson et al.	05/01/2001	
	522747			Showell, E.	06/26/1940	
	2,005,955			Knox Granville S	06/1935	
	2,248,054			Becker	07/08/1941	
	2,268,576			George Drewett	01/1942	
	2,346,346			Anderson, R.	04/11/1944	
	2514589			Penman Walter R	07/1950	
	2,684,168			McGinnis Archibald B., et al.	07/1954	
	3,224,799			Blose et al.	12/21/1965	
	3,997,138			Crock et al.	12/14/1976	
	4,041,636			Folkert, J.	08/16/1977	

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	KindCode ⁵				
	WO	89 00028	A1		Biedermann et al.	01/12/1989	WO	
	WO	90 00377	A1		Harms et al.	01/25/1990	WO	
	WO	91 06254	A1		Biedermann et al.	05/19/1991	WO	
	WO	91 16020	A1		Danninger Medical Technology	10/31/1991	WO	
	WO	92 20294	A1		Eisenstein et al.	11/26/1992	WO	
	WO	93 11715	A1		Jearson et al	06/24/1993	WO	
	WO	94 14384	A2		Plus Endoprothetik	07/07/1994	WO	

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Sheet 2 of 28

Confirmation Number 1111

Application Number 10/821,284

Filing Date April 9, 2004

First Named Inventor Moore

Group Art Unit 3733

Examiner Name Hoffman, Mary

Attorney Docket Number DEP5292USNP

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		Number	Kind Code ² (if known)			
		4,274,401		Miskew, D.	06/23/1981	4,274,401
		4,369,011		Ploss, Helmut	01/1983	4,369,011
		4,373,754		Bollfrass et al	02/15/1983	4,373,754
		4,492,749		Scheler	01/18/1985	4,492,749
		4,382,438		Jacobs, R.	05/10/1983	4,382,438
		4,611,580		Wu, K.	09/16/1986	4,611,580
		4,763,644		Webb	08/16/1988	4,763,644
		4,799,372		Marcon et al.	01/24/1989	4,799,372
		4,805,602		Cotrel, Y.	03/28/1989	4,805,602
		4,815,453		White et al.	07/25/1989	4,815,453
		4,836,196		Park et al.	06/06/1989	4,836,196

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		Office ³	Number ⁴	KindCode ⁵				
		WO	95 01132	A1	Synthes	01/12/1995	WO	
		WO	95 13755	A1	Cross Medical Products Inc.	05/26/1995	WO	
		WO	95 13756	A1	Cross Medical Products Inc.	05/26/1995	WO	
		WO	95 14437	A1	Sofamor Danek Group	06/01/1995	WO	
		WO	98 12977	A1	SDGI Holdings Inc.	04/02/1998	WO	
		WO	00 27297	A1	SDGI Holdings Inc.	05/18/2000	WO	
		WO	01 01873	A1	Spinevision S.A.	01/11/2001	WO	

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Attorney Docket Number	DEP5292USNP

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		Number	Kind Code ² (if known)			
		4,848,368		Kronner, R.	07/18/1989	
		4,887,596		Sherman, M.	12/19/1989	
		4,913,134		Luque	04/03/1990	
		4,946,458		Harms et al.	08/07/1990	
		4,950,269		Gaines, R., Jr.	08/21/1990	
		5,005,562		Cotrel, Y.	04/09/1991	
		5,042,982		Harms et al.	08/27/1991	
		5,067,955		Cotrel, Y.	11/26/1991	
		5,092,635		DeLange et al.	03/1992	
		5,092,867		Harms et al.	03/03/1992	
		5,092,893		Smith	03/03/1992	

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		Office ⁴	Number ⁴	KindCode ⁵				
		WO	04 041100	A1	Spinal Concepts, Inc	05/02/2004	WO	
		WO	05 041799	A1	Innovative Spinal Technologies	05/12/2005	WO	
		WO	20 69854		Kim, Sung-Kon	09/12/2002	WO	
		DE	430 7576		Biedermann	04/21/1994	DE	
		DE	199 12 364	B4	Brehm, Peter	10/07/2004	DE	
		DE	26 49 042	B1	Ulrich, Max Bernhard	01/05/1978	DE	
		DE	29 03 342	A1	Hoechst AG	07/31/1980	DE	

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		Number	Kind Code ² (if known)			
		5,129,388		Vignaud et al.	07/14/1992	
		5,154,719		Cotrel, Y.	10/13/1992	
		5,171,279		Mathews	12/15/1992	
		5,176,680		Vignaud et al.	01/05/1993	
		5,196,013		Harms et al.	03/23/1993	
		5,207,678		Harms et al.	05/04/1993	
		5,217,497		Mehdian	06/08/1993	
		5,242,446		Steffee et al.	09/07/1993	
		5,261,907		Vignaud et al.	11/16/1993	
		5,261,912		Frigg	11/16/1993	
		5,261,913		Marnay, T.	11/16/1993	

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		Office ⁴	Number ⁴	KindCode ⁵				
		DE	298 10 798	U1	Schafer Micomed GmbH	12/02/1999	DE	
		DE	3434807	A1	Mecron Medizinische Produkte GmbH	12/19/1985	DE	
		DE	3639810	A1	Ulrich, Heinrich	05/26/1988	DE	
		DE	3711013	C1	Harms, Jurgen	06/09/1988	DE	
		DE	3916198	C2	Gerhard Hug GmbH	07/16/1992	DE	
		EP	0346521		Acromed Corp	07/27/1988	EP	
		EP	0465158		Mehdian Seyed Mohamed	06/28/1991	EP	

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		Kind Code ²	(if known)			
		5,282,862		Baker et al.	02/01/1994	
		5,282,863		Burton	02/01/1994	
		5,352,231		Brumfield et al.	10/04/1994	
		5,360,431		Puno et al.	11/01/1994	
		5,385,583		Cotrel	01/31/1995	
		5,397,363		Gelbard	03/14/1995	
		5,429,639		Judet, T.	07/04/1995	
		5,443,467		Biedermann et al.	08/22/1995	
		5,466,237		Byrd III et al.	11/14/1995	
		5,468,241		Metz-Stavenhagen et al.	11/21/1995	
		5,474,555		Puno et al.	12/12/1995	

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		EP	0836835	A2	Spinal Innovations	10/09/1996	EP	
		EP	0870474		Bioprot SA	07/28/1997	EP	
		EP	1090595	A2	Stryker Spine	04/11/2001	EP	
		EP	0614649		Biedermann Motech	02/10/1994	EP	
		DE	100 27 988	A1	Kosmala	01/10/2002	DE	
		DE	101 36 129	A1	Biedermann Motech	02/20/2003	DE	
		DE	101 57 969	C1	Biedermann Motech	02/06/2003	DE	

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		5,496,321		Puno et al.	03/05/1996	
		5,520,689		Schlafper et al.	05/28/1996	
		5,536,268		Griss, P.	07/16/1996	
		5,545,165		Biedermann et al.	08/13/1996	
		5,554,157		Errico et al.	09/10/1996	
		5,569,248		Mathews	10/29/1996	
		5,584,887		Kambin	12/17/1996	
		5,585,020		Johnson et al.	01/1999	
		5,586,984		Errico et al.	12/24/1996	
		5,605,457		Bailey et al.	02/25/1997	
		5,647,873		Errico et al.	07/15/1997	

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		DE	199 12 364	A1	Brehm, Peter	10/12/2000	DE	
		DE	430 7576		Biedermann	04/21/1994	DE	
		EP	1133951	A2	Lee, Chun-Tek	09/19/2001	EP	
		EP	1190678	A2	DePuy Acromed	03/27/2002	EP	
		EP	1332722	A1	Stryker Trauma GmbH	08/06/2003	EP	
		EP	0242708	A2	Harms, Jurgen	04/08/1987	EP	
		EP	0283373	A1	Societe De Fabrication de Matériel Orthopédique, Berk.Mer, FR	03/04/1988	EP	

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		5,651,789		Cotrel	07/29/1997	
		5,667,508		Errico et al.	09/16/1997	
		5,669,911		Errico et al.	09/23/1997	
		5,672,176		Biedermann et al.	09/30/1997	
		5,683,390		Metz-Stavenhagen et al.	11/04/1997	
		5,683,391		Boyd	11/01/1997	
		5,690,630		Errico et al.	11/25/1997	
		5,716,356		Biedermann et al.	09/30/1997	
		5,725,527		Biedermann et al.	03/10/1998	
		5,733,286		Errico et al	03/31/1998	
		5,738,685		Halm et al.	04/14/1998	

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		EP	0324022		Biedermann	09/15/1993	EP	
		EP	0328883	A2	Howmedica GmbH	01/17/1989	EP	
		EP	0330881	A1	Synthes	02/10/1989	EP	
		EP	0346272		Societe De Fabrication de Matériel Orthopédique, Berk.Mer. FR	06/13/1989	EP	
		EP	0392927		Societe De Fabrication de Matériel Orthopédique, Berk.Mer. FR	04/11/1990	EP	
		EP	0379551		Harms, Jürgen	07/11/1989	EP	
		EP	0441729		Vignaud, Jean-Louis	02/05/1991	EP	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP5292USNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ²	(if known)			
		5,782,833		Haider	07/21/1998	
		5,788,097		McInnes	08/04/1998	
		5,797,911		Sherman et al	03/09/1999	
		5,810,818		Errico	09/22/1998	
		5,817,094		Errico et al.	10/06/1998	
		5,863,293		Richelsoph	01/20/1999	
		5,873,878		Harms et al.	02/23/1999	
		5,879,350		Shermann et al.	03/09/1999	
		5,882,350		Ralph et al.	03/16/1999	
		5,885,286		Sherman et al.	03/23/1999	
		5,888,221		Gelbard	03/30/1999	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ³
		Office ⁴	Number ⁴	KindCode ⁵				
		EP	0452451		Biederman	11/02/1990	EP	
		EP	0528706		Societe De Fabrication de Matiel Orthopedique, Berk.Mer, FR	07/16/1992	EP	
		EP	0572790		Synthes AG	04/22/1993	EP	
		EP	0771635		Nordson Corp	10/09/1996	EP	
		EP	1332722		Metz-Stavenhagen	05/20/1998	EP	
		FR	2 659 546		LaPresle	03/19/1990	FR	
		FR	2 624 720		Societe De Fabrication de Matiel Orthopedique, Berk.Mer, FR	12/21/1987	FR	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 9 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP5292USNP

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		Kind Code ²	(if known)			
		5,891,145		Morrison et al.	04/06/1999	
		5,899,905		Errico et al.	05/04/1999	
		5,925,047		Errico et al.	07/20/1999	
		5,947,969		Errico et al.	09/07/1999	
		5,964,760		Richelsoph, M.	10/12/1999	
		5,976,146		Ogawa	11/02/1999	
		5,984,922		McKay	11/16/1999	
		6,004,349		Jackson	12/21/1999	
		6,010,503		Richelsoph	01/04/2000	
		6,033,406		Mathews	03/07/2000	
		6,053,917		Sherman et al.	04/25/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ³
		Office ⁴	Number ⁴	Kind Code ⁵				
		JP	64 76847		Cotrel	3/22/1989	JP	
		DE	9006568.9		Jeszensky, D.	12/06/1990	DE	
		DE	9403231.9		Aesculap AG	06/01/1994	DE	
		DE	6915443.6		Societe de Fabricatgion de Materiel Orthopedique, Berk.Mer, FR	07/26/1990	DE	
		WO	05041799		Spitzer	05/12/2005	WO	
		JP	64 76847		Cotrel	3/22/1989	JP	
		DE	9006568.9		Jeszensky, D.	12/06/1990	DE	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
	6,056,753		Jackson		05/02/2000	
	6,059,786		Jackson		05/09/2000	
	6,074,391		Metz-Stravenhagen et al.		06/13/2000	
	6,077,262		Schlapfer et al.		06/20/2000	
	6,083,225		Winslow et al.		07/04/2000	
	6,083,227		Saurat et al.		07/04/2000	
	6,090,110		Metz-Stravenhagen, P.		07/18/2000	
	6,090,111		Nichols		07/18/2000	
	6,099,528		Saurat		08/08/2000	
	6,102,912		Cazin et al.		08/15/2000	
	6,102,913		Jackson		08/15/2000	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 11 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921USNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ²	Number (if known)			
	6,113,602			Sand	09/05/2000	
	6,120,760			Hotten et al.	09/19/2000	
	6,132,431			Nilsson et al.	10/17/2000	
	6,132,432			Richelsoph	10/17/2000	
	6,139,551			Michelson et al.	10/31/2000	
	6,183,472			Lutz, C.	02/06/2001	
	6,224,598			Jackson, R.	05/01/2001	
	6,235,028			Brumfield et al.	05/22/2001	
	6,251,112			Jackson, R.	06/26/2001	
	6,254,602			Justis	07/03/2001	
	6,258,090			Jackson	07/10/2001	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 12 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921USNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ²	Number (if known)			
	6,261,287			Metz-Stavenhagen	07/17/2001	
	6,280,442			Barker et al.	08/28/2001	
	6,296,642			Morrison et al.	10/02/2001	
	6,299,616			Beger	10/09/2001	
	6,315,564			Levisman	11/2001	
	6,331,179			Freid et al.	12/18/2001	
	6,355,040			Richelsoph et al.	03/12/2002	
	6,358,254			Anderson	03/19/2002	
	6,361,535			Jackson, R.	03/26/2002	
	6,371,989			Chauvin et al.	04/16/2002	
	6,379,356			Jackson	04/30/2002	

FOREIGN PATENT DOCUMENTS

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Sankar
Date
Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 13 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921USNP

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	6,387,097		Alby		04/14/2002	
	6,416,515		Wagner		07/09/2002	
	6,428,541		Boyd		08/06/2002	
	6,440,132		Jackson		08/27/2002	
	6,440,133		Beale et al.		08/27/2002	
	6,440,137		Horvath et al.		08/27/2002	
	6,443,953		Perra et al.		09/03/2002	
	6,454,768		Jackson		09/24/2002	
	6,454,772		Jackson		09/24/2002	
	6,458,131		Ray		10/01/2002	
	6,468,276		McKay		10/22/2002	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 14 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP5292LISNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
	6,471,705			Biedermann et al.	10/29/2002	
	6,475,218			Goumey et al.	11/05/2002	
	6,485,220			Hecht, Gill	11/20/02	
	6,485,491			Farris et al.	11/26/2002	
	6,485,518			Cornwall et al.	11/26/2002	
	6,487,798			Seushige	12/03/2002	
	6,488,681			Martin et al.	12/03/2002	
	6,488,682			Kikuchi et al.	12/03/2002	
	6,488,683			Lieberman	12/03/2002	
	6,520,990			Ray	02/18/2003	
	6,524,315			Selvitelli et al.	02/25/2003	

FOREIGN PATENT DOCUMENTS

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Sheet 15 of 28

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Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

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		Number	Kind Code ² (if known)			
	6,530,028			Yokoyama	03/04/2003	
	6,530,929			Justis	03/11/2003	
	6,537,276			Metz-Stavenhagen	03/25/2003	
	6,540,748			Lombardo, A	04/01/2003	
	6,540,749			Schafer et al.	04/01/2003	
	6,641,586			Varieur	11/2003	
	6,723,100			Biederamann et al.	04/20/2004	
	6,730,089			Jackson	05/2004	
	6,793,656			Mathews	09/21/2004	
	6,911,030			Vanacker et al.	06/28/2005	
	2001/0001119			Lombardo	05/10/2001	

FOREIGN PATENT DOCUMENTS

Examiner: Sumanth Venkatesh **Date**: 04-05-2019
Comments: None

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Substitute for Form 1449A/BTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 16 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP5292LISNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
	2001/0010000		Gertzben		07/26/2001	2001/0010000
	2001/0023350		Choi		09/20/2001	2001/0023350
	2001/0025180		Jackson, R.		09/27/2001	2001/0025180
	2001/0034521		Bailey		10/25/2001	2001/0034521
	2002/0007183		Lee		01/17/2002	2002/0007183
	2002/0010467		Cooper		01/24/2002	2002/0010467
	2002/0013585		Gournay et al		01/31/2002	2002/0013585
	2002/0022842		Horvath et al.		02/21/2002	2002/0022842
	2002/0026192		Schmiedl		02/28/2002	2002/0026192
	2002/0026193		Barker et al.		02/28/2002	
	2002/0032443		Sherman		03/14/2002	

FOREIGN PATENT DOCUMENTS

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Sheet 17 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

U.S. PATENT DOCUMENTS

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		Kind Code ² (if known)		Pages, Columns, Lines, where relevant passages or relevant figures appear
		2002/0035366	Walden	03/21/2002
		2002/0040243	Attali	04/04/2002
		2002/0045898	Freid	04/18/2002
		2002/0049444	Knox	04/25/2002
		2002/0055739	Lieberman	05/09/2002
		2002/0058942	Biedermann et al	05/16/2002
		2002/0068938	Jackson	06/06/2002
		2002/0068940	Gaines	06/06/2002
		2002/0082602	Biederman	06/27/2002
		2002/0091386	Martin	07/11/2002
		2002/0095153	Jones et al.	07/18/2002

FOREIGN PATENT DOCUMENTS

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Group Art Unit	3733
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		Kind Code ²	(if known)			
		2002/0111626		Ralph et al.	08/15/2002	
		2002/0111628		Ralph et al.	08/15/2002	
		2002/0116000		Zucherman et al.	08/22/2002	
		2002/0116001		Schafer	08/22/2002	
		2002/0120272		Yuan et al.	08/29/2002	
		2002/0133154		Saut Martin	09/19/2002	
		2002/0138076		Biedermann et al	09/26/2002	
		2002/0143341		Biedermann et al.	10/03/2002	
		2002/0161368		Foley et al.	10/31/2002	
		2002/0169448		Vanacker	11/14/2002	
		2002/0169450		Lange, R.	11/14/2002	

FOREIGN PATENT DOCUMENTS

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Sheet 19 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

U.S. PATENT DOCUMENTS

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		Kind Code ²	(if known)			
		2002/0173791		Howland	11/21/2002	
		2002/0183747		Jao et al.	12/05/2002	
		2002/0183748		Martin et al.	12/05/2002	
		2002/0183749		Burgess et al.	12/05/2002	
		2003/0004511		Ferree	01/02/2003	
		2003/0004512		Farris et al	01/02/2003	
		2003/0009168		Beale et al.	01/09/2003	
		2003/0023240		Amrein et al.	01/30/2003	
		2003/0023243		Biedermann et al.	01/30/2003	
		2003/0028190		Patel	02/06/2003	
		2003/0032957		McKinley	02/13/2003	

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Examiner: Sumantra **Date**: Core-based

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 20 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921USNP

U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
		2003/0045875		Bertranov	03/06/2003	
		2003/0045879		Minfelde et al.	03/06/2003	
		2003/0050640		Lee et al.	03/13/2003	
		2003/0055426		Carbone et al.	03/20/2003	
		2003/0055427		Graf	03/20/2003	
		2003/0060823		Bryan	03/27/2003	
		2003/0060824		Viant	03/27/2003	
		2003/0060826		Foley	03/27/2003	
		2003/0083657		Drewny	05/01/2003	
		2003/0100896		Biedermann et al.	05/29/2003	
		2003/0100904		Biedermann, L.	05/29/2003	

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Sheet 21 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

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		Kind Code ² (if known)				
		2003/0208203		Lim et al	11/06/2003	
		2003/0216748		Gitis	11/20/2003	
		2003/0216768		Gitis	11/20/2003	
		2004/0039384		Boehm et al.	02/26/2004	
		2004/0143265		Landry	07/22/2004	
		2004/0243139		Lewis	12/02/2004	
		2005/001022		Dalton	01/13/2005	
		2005/011383		Molz	05/26/2005	
		2005/0171540		Lim et al.	08/04/2005	
		2005/0171549		Boehm et al.	08/04/2005	
		2005/0192571		Roger Jackson	09/01/2005	

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Sheet 22 of 28

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Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921USNP

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	2005/0192570			Roger Jackson	09/01/2005	
	2002/0138077			Ferree	09/26/2002	
	2002/0188295			Martz	12/12/2002	
	2004/0138662			Landry	07/15/2004	
	2004/0181224			Biedermann	09/16/2004	
	2004/0204711			Jackson	10/14/2004	
	5,899,904			Errico	05/04/1999	
	5,984,923			Breard	11/16/1999	
	5,989,254			Katz	11/23/1999	
	6,368,321			Jackson	04/09/2002	
	6,648,888			Shluzas	11/18/2003	

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		Kind Code ²	Number (if known)			
	6,554,831			Rivard	04/29/2003	
	6,652,527			Zucherman	11/25/2003	
	6,837,889			Schluzas	01/04/2005	
	2005/0065517			Chin	03/24/2005	
	2005/0038432			Shaolian	02/17/2005	
	2005/0085813			Spitler	04/21/2005	
	4,234,036			Reilly	4/13/1982	
	4,864,614			Crowther	9/15/1989	
	5,052,643			Law	10/1/1991	
	5,961,266			Tsenge	10/5/1999	
	6,302,633			Poe	10/16/2001	

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		Number	Kind Code ² (if known)			
	6,726,689		Jackson		4/7/2004	
	6,905,500		Jeon		6/14/2005	
	2003/229347		Sherman		12/11/2003	
	5,589,901		Middleton		5/4/1999	
	7,156,850		Kim		1/2/2007	
	6,554,834		Crozet		4/29/2003	
	6,458,132		Choi		10/1/2002	
	5,680,963		Brusko		10/28/1997	
	6,755,829		Bono		6/29/2004	
	7,081,117		Bono		7/25/2006	
	7,125,426		Moumene		10/24/2006	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 25 of 28

Confirmation Number	1111
Application Number	10/821,284
Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921ISNP

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Kind Code ² (if known)			
	7666188		Anderson	02/23/2010	
	7527638		Anderson	05/05/2009	
	20070129731		Sicvol	06/07/2007	
	7179261		Sicvol	02/20/2007	
	4324036		Reilly	04/13/1982	
	6159179		Simonson	12/12/2000	
	6692434		Ritland	2/17/2004	
	6951538		Ritland	10/4/2005	
	20030083688		Simonson	5/1/2003	
	20030083689		Simonson	5/1/2003	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 27 of 28

Confirmation Number	1111
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Filing Date	April 9, 2004
First Named Inventor	Moore
Group Art Unit	3733
Examiner Name	Hoffman, Mary
Attorney Docket Number	DEP52921JSNP

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	/Mary Hoffman/	Date Considered	12/02/2010
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